2011 AASHTO
R/W, Utilities & Design Subcommittee

Developing & Maintaining Critical Core Competencies

Session VIII – Thursday May 12, 2011

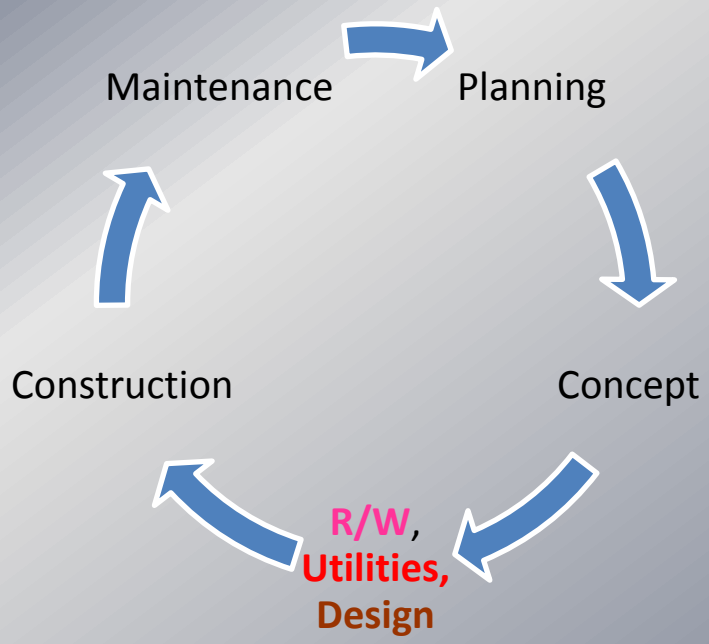
St. Louis, Mo.

Jeff Baker, P.E. – Georgia DOT

ONE TEAM
Integrating Practical Solutions

What is the Big Picture?

ONE TEAM



Big Picture:Critical Staff

1) Core Competencies

2) Keep Engaged

3) Training & Education Initiatives

Core Competencies

- Job Description & Responsibilities
- Competencies
  - *Technical*
  - *Leadership*
  - *Other*
- Qualifications
  - *Minimum*
  - *Agency Specific*
  - *Preferred*

Keep Staff Engaged

- Vision
- Mission
- Goals

Keep Staff Engaged

- Rules to Work by / expectations
- Why are you here?
- Time is Love vs. Maslow's Hierarchy
- Honesty
- Interest in their career

Need for Training & Education

"I was just reviewing a draft concept report for the above referenced projects. It appears that these projects would be very good candidates for employing SUE….If you would like to discuss this matter please feel free to contact me." – Utilities 9/05/2003 11:52 am

Need for Training & Education

"After discussing this with the project manager, we have decided that these projects do **NOT** need a SUE evaluation. The main reasoning for this is that there are not a lot of underground utilities in this portion of (the roads), which is mainly a residential area." – Design 9/05/2003 1:41 pm

Need for Training & Education

- Performed SUE services (Utilities' SME):
  - June 2004 and provided to Design
  - 18 Utility Companies
    - Water, Sanitary Sewer, UG Tel, UG Elec, Gas, UG CATV, Traffic Control Power, Fiber Optics & Petroleum

- Design did NOT use the SUE information

Need for Training & Education

Project Let to Constr:	1/16/2009
Project Location:	Metro Atlanta
Project Length:	0.93 miles
UG Utilities Length: *(not including OH)*	29.23 miles

Need for Training & Education

Highway Contractor Spread Sheet

212 Utility UG Conflicts – w/Storm Drain Pipe ONLY!

(resolving on construction)

Need for Training & Education

Structure From	Structure To	Location	Stage	Cut FT	Fill FT	Class Pipe	Potential Utility Conflicts	Length (LF)	Pipe Type	Pipe Diameter (IN)
Q37	Q26	115+25	1	7		3		51	RCP	48
Q26	Q38	114+75	1	15		3	GAS	49	RCP	48
Q38	Q36	114+75	1	15		3	GAS	46	RCP	48
Q36	Q31	114+75	1	14		3	GAS	58	RCP	48
Q31	Q30	114+00	1	13		3	WATER	69	RCP	42
Q30	Q29	113+00	1	12		3	WATER	78	RCP	42
Q29	Q28	112+00	1	12		3		95	RCP	42
Q28	Q15	110+25	1	11		3	COLONIAL GAS	165	RCP	42
Q15	Q12	110+20	1	11		3	SEWER	15	RCP	36
Q15	Q14	110+00	1	12		3	SEWER	56	METAL	24
Q14	Q13	110+00	1	4	3	3		37	METAL	18
Q36	Q35	114+00	2	15		3	WATER	67	RCP	18
Q35	Q34	113+20	2	12		3		79	RCP	18
Q34	Q33	112+00	2	8		3		101	RCP	18
Q33	Q32	111+75	2	3		3	COLONIAL GAS	42	RCP	18
Q10	Q9	110+00	1	7		3	GAS, WATER	106	RCP	36
Q9	Q7	107+91	1	7		3	GAS, WATER	93	RCP	36

Need for Training & Education

Need for Training & Education

Training & Education

- GDOT Utilities
  - Professional Engineer Development & Project Manager Development Programs
  - Avoiding Utility Project Impacts (FHWA Award)
  - Bentley Redline (FHWA Award)
  - Plan Development Process (PDP)
  - Utility Accommodation Policy Manual

Training & Education

- GDOT Utilities
  - Managing Utilities On Construction Projects
  - Notice of Intent/Environmental
  - Local Administered Projects (LAP)
  - Safety Pole Program (Clear Roadside)
  - Construction Layout** (in development)

Design

Construction

Guess who the fish is?

You can't teach an old dog new tricks,
but you can get it glasses to see the big picture!